

JAWORSKI, MARK

From: Hill, Michael
Sent: Wednesday, July 14, 2010 3:47 PM
To: JAWORSKI, MARK
Subject: Gary Development Landfill Wetland Area Classified as PEMF and Contaminated Area Calculations 7-14-10
Attachments: Wetland Area Acres and Square Feet Calculations 7-14-10.doc

Mark:

Attached is a detailed description of how the Wetland Area Classified as PEMF and Contaminated Area were calculated using GIS software.

FYI,

Mike

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8/18/2010

Measured Areas for Gary Development Landfill Site

- **Measured Area:**
 - Wetland Area Classified as PEMF in Gary Development Landfill
 - 2.83 acres = 123,409.22 ft²
- **Measured Area:**
 - Contaminated Area
 - .0955 acre = 4,159.98 ft²

Square Feet = A unit of area equal to one foot by one foot square.

Acre = A unit of area equal to 4,840 square yards or 43,560 square feet

- **Collection Method:**

Using GIS software, ESRI® ArcMap™ 9.3 (Build 1850) with License Type: ArcView, the total area of the contaminated area and the total area classified as PEMF in the Gary Development Landfill project area was measured using ArcMap . The Measure tool (Area Measurement option) was used in ArcMap to measure the respective areas.
- **Reference Datum:**
 - Datum: D_North_American_1983
 - Geographic Coordinate System: GCS_North_American_1983
 - Prime Meridian: Greenwich
 - Angular Unit: Degree
- **Source Map Scale:**
 - 1:12,000
- **Point / Line / Area:**
 - Area
- **Collection Date:**
 - 7-14-2010
- **Verification Method:**
 - Map Interpretation
- **Corresponding Map Publication Date:**
 - 5-25-2010